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DELL EMC AVAMAR DATA STORE

Dell EMC® Avamar® Data Store is the easiest and fastest way to deploy a physical Avamar server. It combines Dell EMC certified hardware and Avamar backup and recovery software in a fully integrated, scalable, pre-packaged solution. It eliminates the hassles and complexity of working with multiple vendors for hardware, software, and support. As a turnkey solution, Avamar Data Store significantly reduces on-site setup time, while providing a single point of contact for purchasing, deployment, and service.

Avamar is backup and recovery software with integrated data deduplication, ideal for protecting virtual environments, NAS systems, remote offices, desktop/laptop systems, and business-critical applications. By deduplicating backup data at the client, Avamar provides fast, daily full backups via existing infrastructure and network links. And by deduplicating data across sites and servers, Avamar can dramatically reduce required storage by up to 50x over reasonable retention horizons.

FLEXIBLE DEPLOYMENT OPTIONS

Deploying an Avamar server has never been easier. Build-to-order and pre-racked configurations simplify deployment and reduce costs. An entry-level Avamar Data Store is ideal for remote offices when fast, local backup and recovery are priorities.

For larger offices and data centers, Avamar Data Store configurations help you to retain the equivalent of several petabytes of cumulative traditional backups that can be immediately recovered in a single step from disk, eliminating the hassles and risks associated with tape storage.

For mid-market environments, the Avamar Business Edition provides a competitively priced, conveniently sized, turnkey deduplicated backup solution. This full featured solution eliminates the need to replicate data to another Avamar system.

SCALABILITY, HIGH AVAILABILITY, AND RELIABILITY

Unlike many traditional server deployments, Avamar utilizes a scalable grid architecture, enabling linear performance and storage increases by simply adding storage nodes. Each additional node increases CPU, memory, I/O, and disk capacity for the entire grid. When adding disk storage, data is automatically load-balanced online without compromising deduplication efficiency or system performance.

When traditional backup solutions fail, data is often lost. To prevent this, Avamar employs patented redundant array of independent nodes (RAIN) technology, redundant power and internal networking, and RAID to provide high availability across nodes, eliminating single points of failure.

For reliability, Avamar Data Store utilizes enterprise-class components. In addition, Avamar system integrity is verified twice daily via internal system checkpoints, and Avamar verifies the recoverability of all backup data daily. Backup data can also be efficiently replicated to another Avamar server for disaster recovery. And for security, backup data can be encrypted in-flight and at-rest enabling safe and cost effective disk-based storage.

Avamar Data Store is a turnkey solution and the easiest way to deploy a physical Avamar server. It provides simplified purchasing, deployment, and service.

SPECIFICATION SHEET